



规格书 Specification

客户名称:

CUSTOMER:

福州金威航信息科技有限公司

客户料号:

CUSTOMER P/N:

客户品名:

DESCRIPTION:

捷雷料号:

P/N:

捷雷品名:

PART NO:

564MHz 弹簧天线; V1.0

核准	审核	编制
Frank	WenSen	Sean
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版本描述

日期	批准	版本	描述
2019-07-29		V1.0	初版



1. Electrical Performance

A.Electrical Characteristics	
S.W.R	<2.0@560-570MHz
Frequency Range(MHz)	560-570MHz
Impedance	50 Ohm
Gain	MAX: -2.71dBi@560-570MHz
B.Material	
磷铜镀镍	
C.Environmental	
Operation Temperature	-20℃~65℃
Storage Temperature	

2. Measurement Setup

(1) Reflection coefficient Measurement:

(a) **Instrument:** Network Analyzer

(b) Setup:

- (I) Calibrate the Network Analyzer by one port calibration using Agilent calibration kits.
- (II) Connect the antenna under test to the Network Analyzer
- (III) Measure the S11 (reflection coefficient) shown in Fig.1

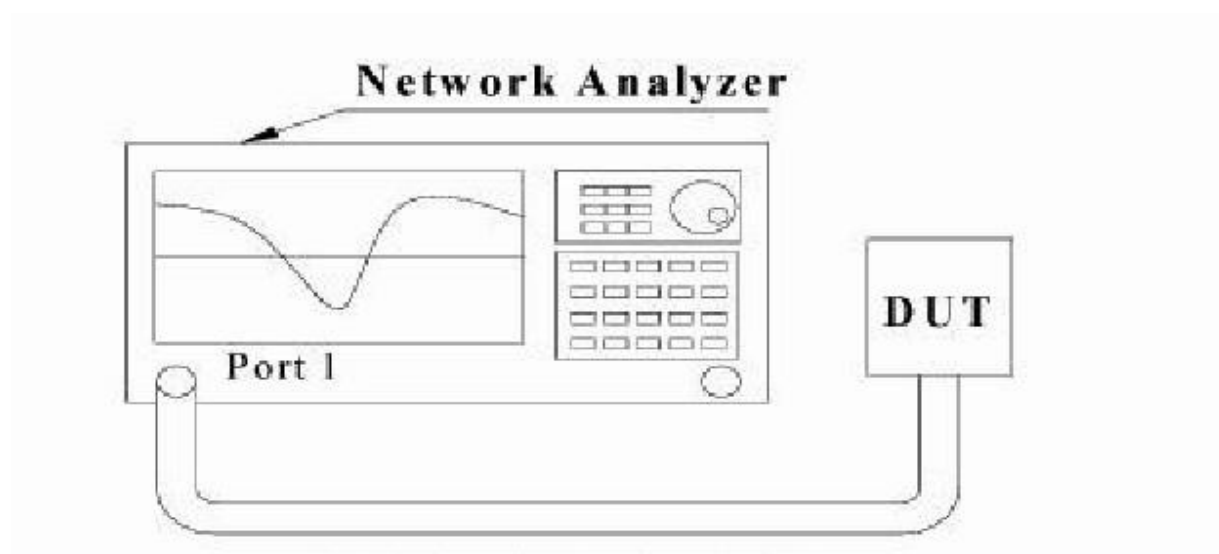


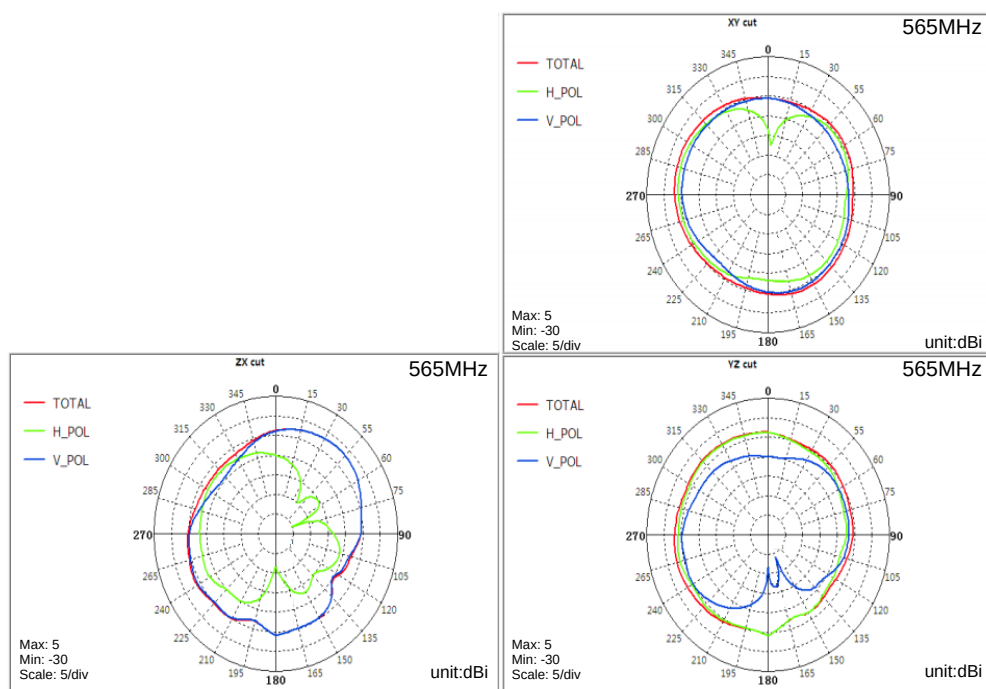
Fig.1 Measure S11 on Network Analyze



天线增益与效率 Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
560 MHz	15.67	-3.19
561 MHz	14.83	-3.17
562 MHz	14.14	-3.24
563 MHz	16.41	-2.83
564 MHz	18.13	-2.89
565 MHz	15.75	-2.71
566 MHz	13.69	-3.41
567 MHz	11.57	-4.23
568 MHz	10.37	-4.89
569 MHz	9.25	-5.34
570 MHz	8.74	-5.63

天线辐射方向图 Antenna Radiation Pattern





3. Mechanical Dimension Drawing

